

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A cementitious slurry comprising:
cement;
water;
a plasticiser; and
a mineral additive including a first fly ash having a predominant particle size of greater than about 10 microns and a component selected from the group consisting of:
- i) a second fly ash having a predominant particle size of up to about 10 microns, said fly ash having a predominant particle size of up to about 10 microns being present in an amount of about 30-100 wt% based on the weight of cement in the slurry;
- ii) aluminous material having a predominant particle size of up to about 150 microns, said aluminous material being present in an amount of about 5-30 wt% based on the weight of cement in the slurry, wherein the aluminous material is selected from the group consisting of hydrated alumina, partially hydrated alumina and unhydrated alumina; and
- iii) both the second fly ash of (i) and the aluminous material of (ii);
- wherein the components (i), (ii), or (iii) ~~is~~ are added in a quantity sufficient to provide water reduction, and the ~~total~~ combined amount of the first and second fly ash is greater than the amount of cement by weight percentage.
2. (Original) A cementitious slurry according to claim 1, wherein the fly ash comprises about 25-60% silica, about 10-30% Al_2O_3 , about 5-25% Fe_2O_3 , up to about 20% CaO and up to about 5% MgO.
3. (Previously Canceled).
4. (Previously Canceled).
5. (Previously Presented) A cementitious slurry according to Claim 1, wherein the ratio of hydrated alumina to fly ash is between about 1:1 and 1:10.
6. (Previously Presented) A cementitious slurry according to Claim 1, wherein the cement is selected from the group consisting of common Portland cements, fast setting or extra fast setting cement, sulphate resisting cements, modified cements, alumina cements, high alumina cements, calcium aluminate cements and cements which contain secondary components.

7. (Previously Presented) A cementitious slurry according to claim 1, wherein the cement is between about 10 and 50 wt% of total dry ingredients.

8. (Previously Canceled).

9. (Previously Presented) A cementitious slurry according to claim 1, wherein the amount of plasticiser is between about 0.3 to 3 wt% based on weight of the dry cement.

10. (Original) A cementitious slurry according to claim 1, wherein the cementitious slurry contains about 5 to 30 wt% of fillers.

11. (Previously Canceled).

12. (Previously Canceled).

13. (Previously Canceled).

14. (Previously Presented) A cementitious slurry according to claim 6, wherein the secondary components are selected from the group consisting of fly ash and slag.

15. (Currently Amended) A cementitious slurry comprising:

a hydraulic binder;

water;

~~a first portion of fly ash having a predominant particle size of greater than about 10 microns;~~

a water reducer selected from the group consisting of:

(i) ~~a second portion of fly ash having a predominant particle size of up to about 10 microns;~~

(ii) an aluminous material selected from the group consisting of hydrated alumina, partially hydrated alumina, unhydrated alumina and mixtures thereof;

wherein the water reducer reduces by about 20%-40% the amount of water required in the slurry to achieve substantially the same slurry viscosity as a cementitious slurry of an equivalent formulation substantially identical in composition to the formulation of the cementitious slurry but without the water reducer, ~~wherein the total weight percent of fly ash in the slurry is greater than the weight percent of the hydraulic binder.~~

16. (Previously Presented) The cementitious slurry of Claim 15, wherein the aluminous material has a predominant particle size of up to about 150 microns.

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17. (Previously Presented) The cementitious slurry of Claim 15, further comprising a plasticiser.

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